

BUTANE- PROPANE NEWS

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198 S. Alvarado St. • Los Angeles, Calif. 90057

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Cost-of-heating formula for LP-gas	Sept. 33
Don't convert trailer furnace to gas	Sept. 33
Don't put mix in a butane tank	Nov. 23
Heat at tank outlet will not vaporize liquid	Oct. 27
How can I build a model fuel cell?	Feb. 27
How can sulfur be removed from propane?	Apr. 35
How many Btu's required to increase temperature?	Jan. 26
How much is LPG conversion kit for small engines?	Mar. 35
How to cut off gas flow to gas torch	May 39
How to install LP-gas system for power generator	Feb. 27
Important properties of pentane	Nov. 23
LP-gas—the best fuel for heating	Mar. 35
LPG competes with fuel oil at higher price	June 25
LPG not likely to cause lung disease	Dec. 23
Methanol: how much to use, how to inject it	Dec. 23
Return bypass liquid to tank, not pump	Jan. 26
Testing a newly installed tank for leaks	Oct. 27
The colder the gas, the more Btu's per cubic foot	Jan. 26
Try lubrication for leaky gas cocks	June 25
Seek factory's help before converting refrigerators	Apr. 35
Switch cylinder business over completely to bulk	July 31
What price should we quote for propane	May 39
Yellow flame with natural gas, blue flame with LP-gas	Mar. 35

NEWS DEVELOPMENTS

Agreement signed for LPG purchase	Sept. 24
Algas building LPG-powered plant	Aug. 22
Algas building manufacturing plant	July 20
Ancient Suppliers award scholarship	July 22
Atlantic buys 30 jumbo tank cars	Oct. 20
Atlantic opens five new sales offices	Mar. 16
Cal Gas adds jumbo tank cars	July 22
Canada-LPG marketing boost planned	June 14
Cities Service to build 180-mile line	Apr. 22
Cities Service sets up liquids groups	Oct. 20
City Gas Co. expands operations	Nov. 12
Council's plans for 1963	Feb. 16
"Dr. Kildare" aids Pyrofax bakeoff	Oct. 16

Fuel cell work advancing	June 16
General Gas expands territory	Jan. 14
Guide to aid OYF sponsors	Sept. 20
High Plains extends flaming research	May 28
Injunction issued in patent case	Aug. 22
Low-cost LPG storage plants	Nov. 16
LPGA, Council to vote on merger	May 17
LPGA heartened by anti-REA support	Apr. 26
Mapco expands its interests	Nov. 16
Merger plans ready for vote	Mar. 22
Mid-America entering LPG production	Sept. 28
Mobil's liquids group organized	Sept. 24
National Gas wins Thomas safety award	July 22
Natural gas processing plant planned	July 20
NGPA coordinates flaming activities	Dec. 16
NLPGC plans fall sales campaign	Aug. 20
Northern Natural's "Bushton" okayed	Feb. 12
Northern Natural's "Bushton" started	Mar. 16
Northern Nevada gets natural gas	Jan. 14
Oklahoma to get 95-mile LPG pipeline	Oct. 20
1.1 million heating jobs foreseen	Aug. 22
Pacific has approval to start on pipeline	Mar. 16
Petrolane listed on "big board"	June 20
Petrolane-Wyoming to build LPG plant	Oct. 16
Phillips modifies price policy	Oct. 20
Phillips sets new price policy	June 14
Public utility gas for Bridgeport	Nov. 12
Pyrofax acquires Drake & Townsend	Dec. 14
Record tank car purchase by Phillips	Dec. 16
Ridge Tool idea-exchange program	July 20
Rockford Propane assets purchased	July 22
7-millionth water heater feted	Dec. 14
Strader to head CNGA	Aug. 20
Suburban acquires New Mexico firm	Sept. 24
Texas Eastern adopts HD-5	June 16
Texas Eastern purchases Pyrofax	Feb. 12
Tuloma Gas completes reorganization	Aug. 20
Tuloma to buy General Gas assets	Nov. 16
Wanda completes LPG terminal	Dec. 16

WASHINGTON REPORT • Neil Regeimbal

Bill to raise REA rates appears doomed	Mar. 26
Congress chastises the REA	Nov. 10
Congress extends "Korea War tax"	Aug. 20
Congress fights to regain prestige	Mar. 22
Co-op appeals g & t loan ban	Dec. 10
Co-op's vast reserves attacked	Dec. 14
Expense account crackdown softened	May 22
Federal smog-controls urged	Jan. 21
Filings April 9 on tank specs	Apr. 17
Final tax rules being effected	June 23
FTC getting even tougher	Jan. 16
FTC thwarted: co-op ads ok	Nov. 10
Gas-alcohol mix to cut smog urged	May 28
ICC delays tank rule-making	June 20
ICC okays jumbo car rates	July 20
JFK to pressure for "truth" bill	Feb. 18
Liberals split on co-op regulation	Sept. 14
Look for boost in Social Security	July 17
More control on business urged	May 22
New REA bills will be tabled	Aug. 16
New tax deadline arrives	July 20
New truck tank rules due soon	Mar. 26
No new RR crossing laws asked	July 17
"Normal" red tape slows ICC probe	Aug. 16
No SBA loans for franchised firms	Apr. 22
Nose counters to tally LP-gas sales	Jan. 16
Overtime exemptions changed	Aug. 16
Pooled ads endorsed in House	Oct. 14
Pressure on to ease "T & E" rules	Oct. 14
Pressures mount for REA reform	Sept. 14
Price fixing by consignment illegal	July 17
"Quality stabilization" progressing	Sept. 20
REA pushes on despite criticism	Oct. 14
REA rallies its forces	June 20
"Recession" bugaboo expires	July 17
Sales peak in 1980 forecast	Apr. 17
SBA quits loaning its own cash	Aug. 20
Senate okay on shelter plan seen	Nov. 12
Suburban indicted for "price fixing"	Nov. 10
Support grows for anti-PX Bill	May 22
Tank truck hearing set for Nov. 25	Nov. 12
Tanker test rule impending	Sept. 14
Tax cut postponed until '64	Aug. 20
Taxmen back down on deductions	Aug. 20
Tightened ICC truck rules due soon	Feb. 18
Watch those entertainment records!	Feb. 18
Watch those expense accounts	Jan. 16

Success of dual-fuel tests . . .

(Continued from page 73)

of gallons of propane in underground storage, and the surplus of product amounts to approximately 2800 million gals. per year. If this excellent motor fuel should prove useful to the railroads, as well as to other heavy industries, many of the headaches caused by surpluses would be alleviated.

I sincerely believe we are on the threshold of a new era in the LP-gas industry. Should the railroads alone convert just half of the locomotives in the country, they would use the annual surplus of propane produced from natural gas. Such a boost in the usage could have far-reaching results. ■

References:

- Cabal, A.V., et al, "Performance of Leaded LP-Gas in an EMD-567 Dual-Fuel Engine," SAE No. 763-A (1963).
- Felt, A.E. and Steel, W.A., Jr., "Combustion Control in Dual-Fuel Engines," SAE, Fuel and Lubricant meeting (1961).
- Kettering, C.F., "More Efficient Utilization of Fuels," SAE Quarterly Trans. 1 (1947).
- Richards, P.H., "LP-Gas a Possible Alternate Fuel for Railroad Locomotives," SAE S-362 (1962).

NFPA issues revised engine-turbine standard

A newly-revised edition of the "Standard for the Installation and Use of Combustion Engines and Gas Turbines" has been issued by the National Fire Protection Association. The standard, which applies to portable and stationary combustion engines and gas turbines inside or within 15 ft. of a building, contains new recommendations because of the increasing use of gas turbine-powered total energy package units.

Copies of the new edition (NFPA No. 37) are available from the Association, 60 Batterymarch St., Boston, Mass., at 50 cents each.

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